

Figure 1

SP 0	SP 4	C 8	C 12	C 16	C 20	C 24	C 28
R 1	SP 5	C 9	C 13	C 17	C 21	C 25	C 29
R 2	SP 6	SP 10	SP 14	SP 18	C 22	C 26	C 30
SP 3	SP 7	R 11	R 15	SP 19	C 23	C 27	C 31
C 32	SP 36	SP 40	SP 44	SP 48	C 52	C 56	C 60
C 33	C 37	C 41	C 45	C 49	C 53	C 57	C 61
C 34	C 38	C 42	C 46	C 50	C 54	C 58	C 62
C 35	C 39	C 43	C 47	C 51	C 55	C 59	C 63

Figure 2A

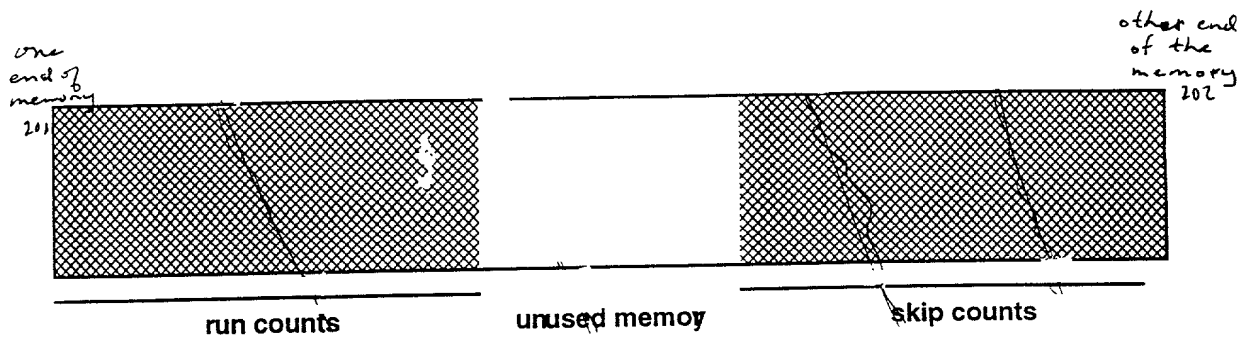


Figure 2B

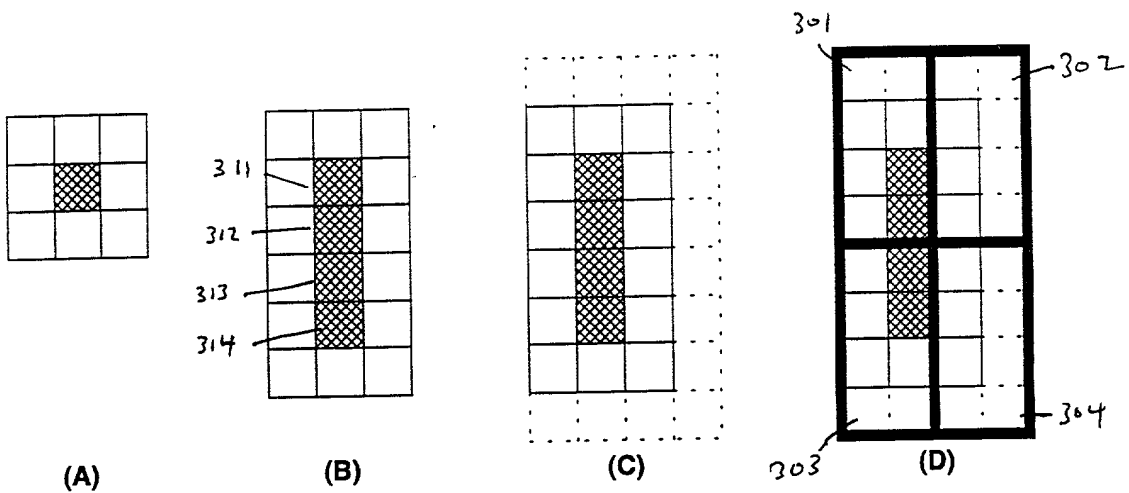
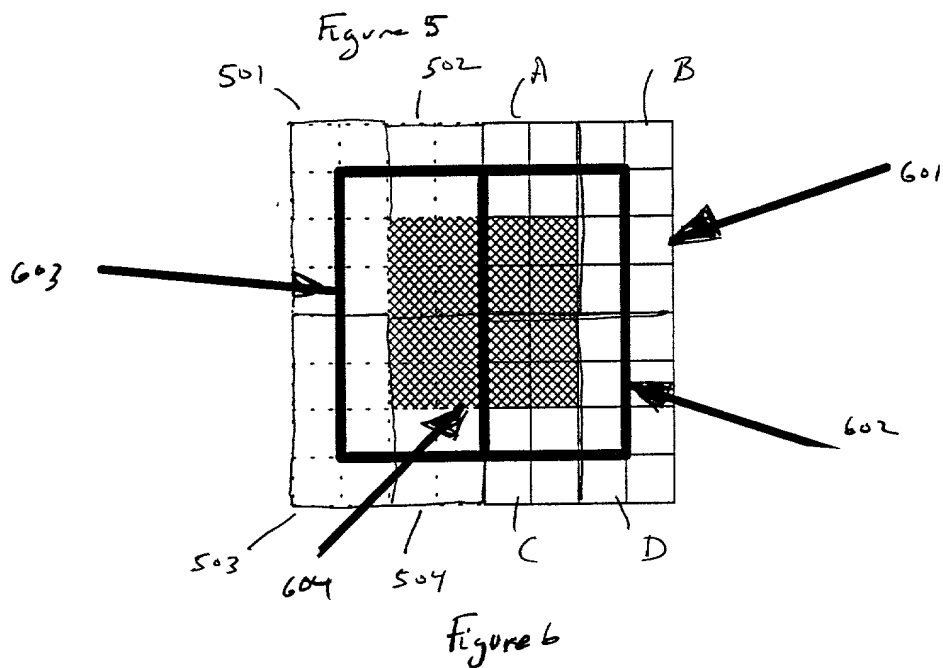
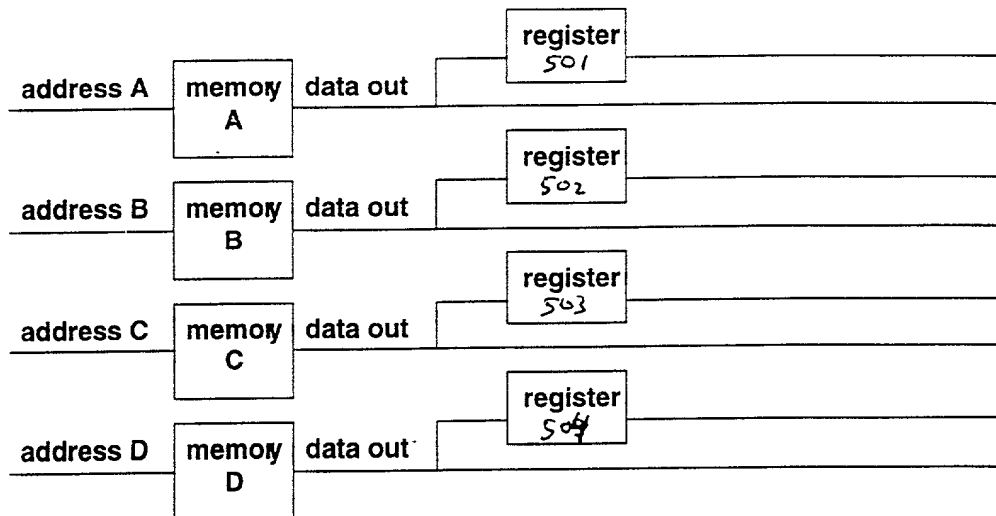


Figure 3

	0	1	2	3	4	5	6	7
0	A	B	A	B	A	B	A	B
1	C	D	C	D	C	D	C	D
2	A	B	A	B	A	B	A	B
3	C	D	C	D	C	D	C	D
0	A	B	A	B	A	B	A	B

Figure 4



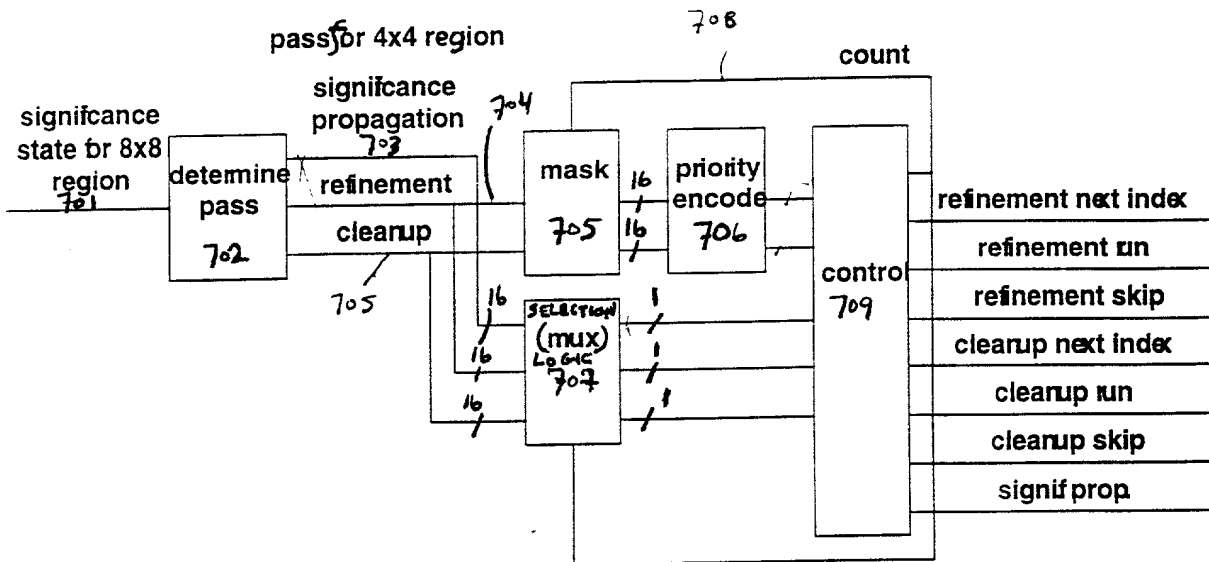


Figure 7

SP	SP	SP	SP
C	C	C	C
SP	SP	SP	SP
SP	R	R	SP

SP = significance propagation  
C = cleanup  
R = refinement

SP pass: 10\*2 for SP pass coefficients  
6 for C and R pass coefficients  
C pass: 4\*2 for C pass coefficients  
R pass: 2 for R pass

total: 36 clocks = 2.25 clocks per coefficient

Figure 8

	0	1	2	3
0	A	A	A	A
1	B	B	B	B
2	A	A	A	A
3	B	B	B	B
0	A	A	A	A

Figure 9

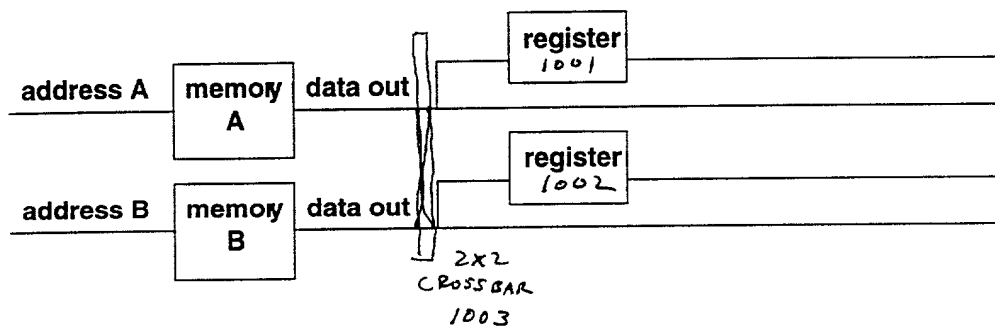


Figure 10

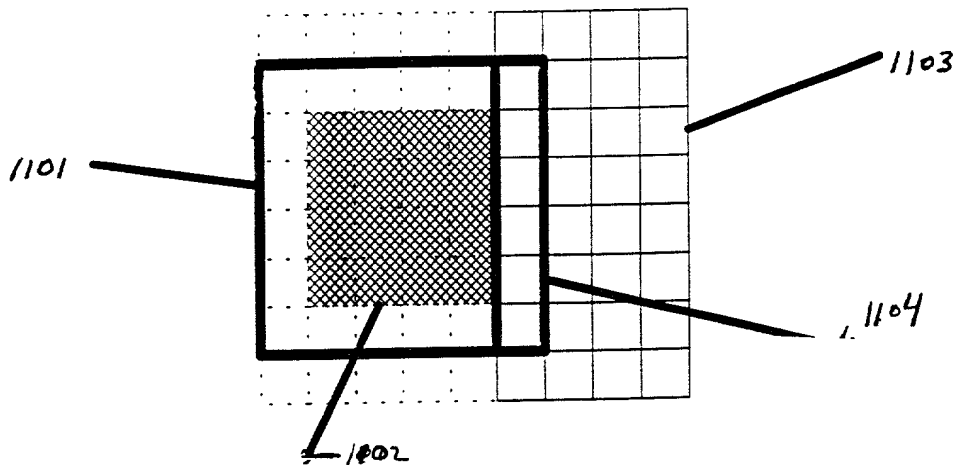


Figure 11

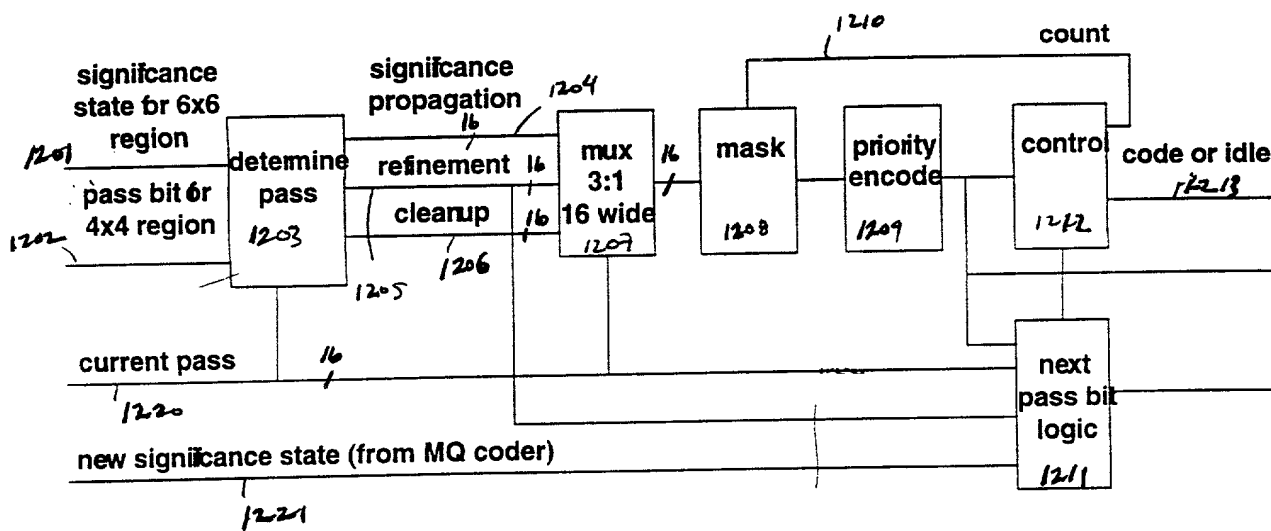


Figure 12



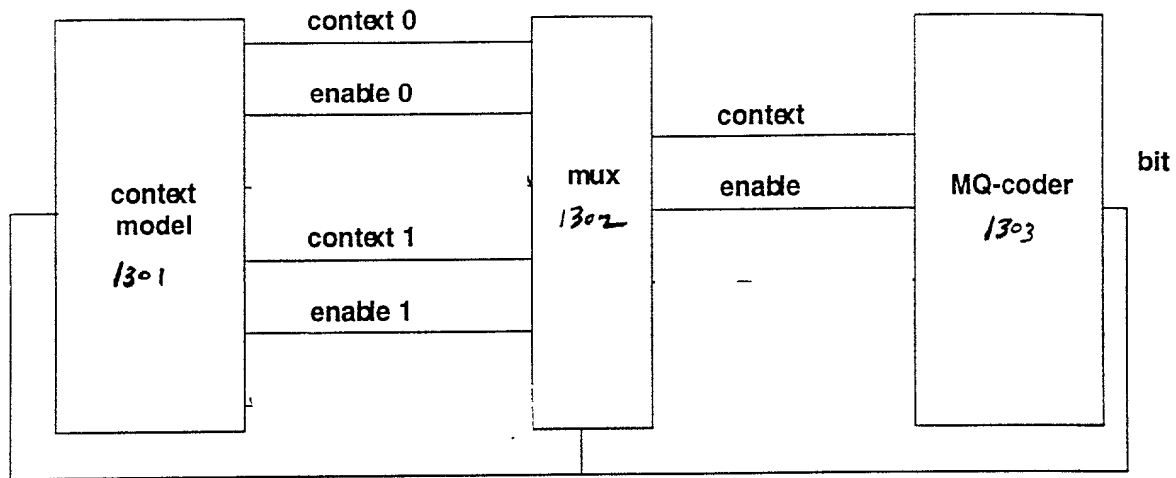


Figure 13

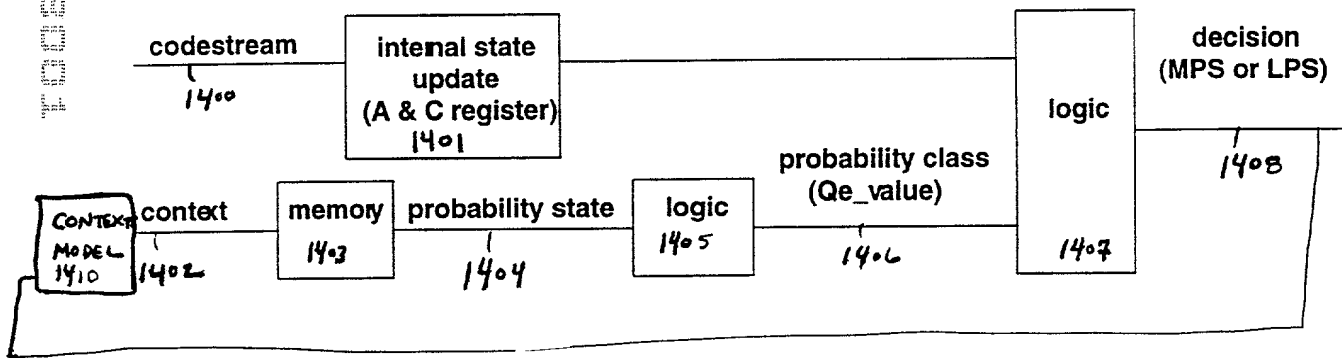


Figure 14A

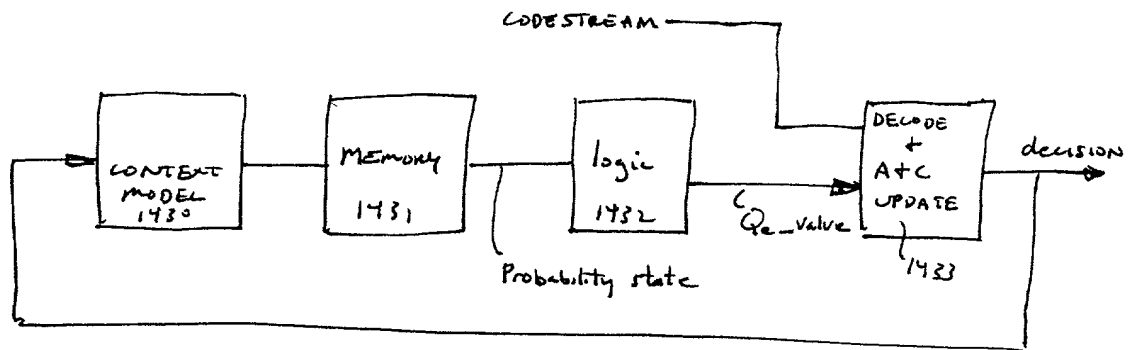


Figure 14B.

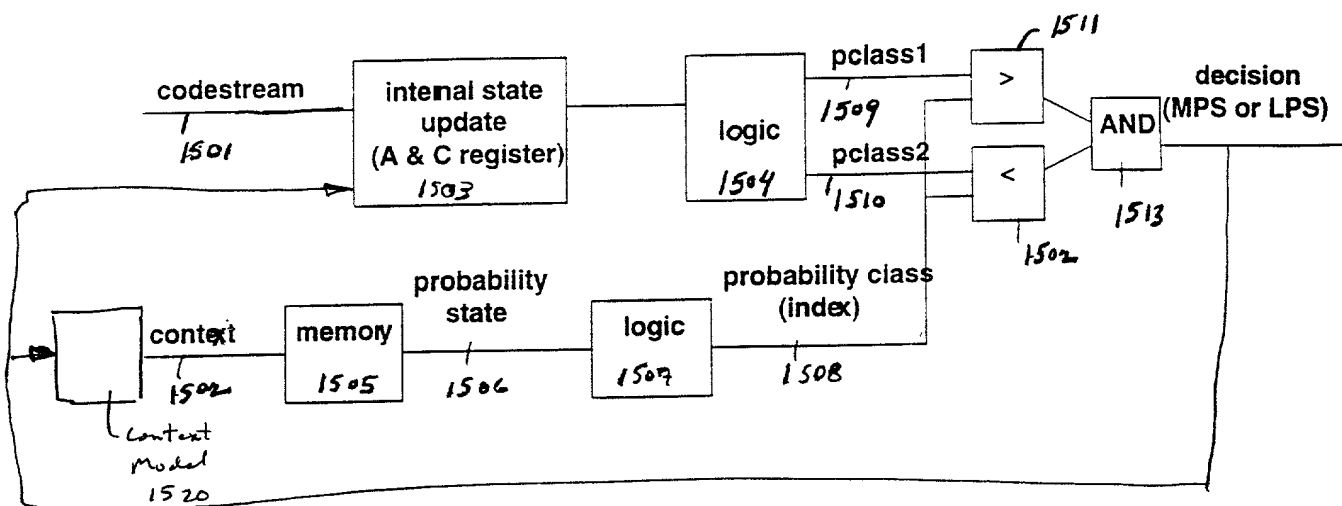


Figure 15

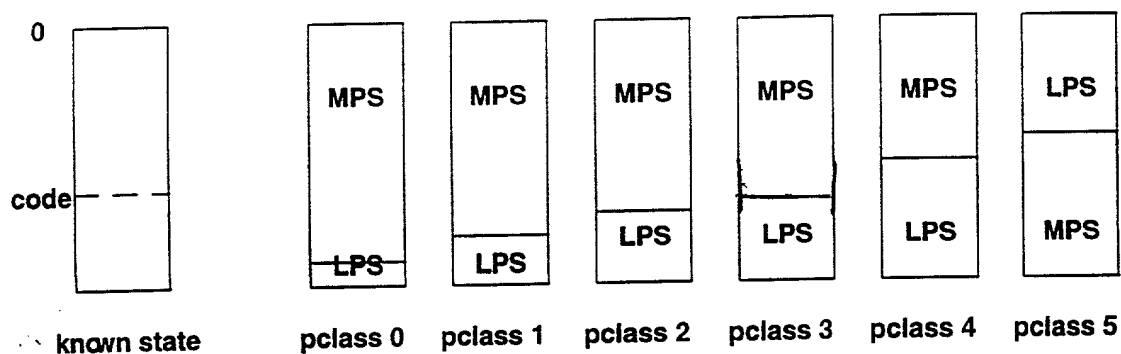


Figure 16A

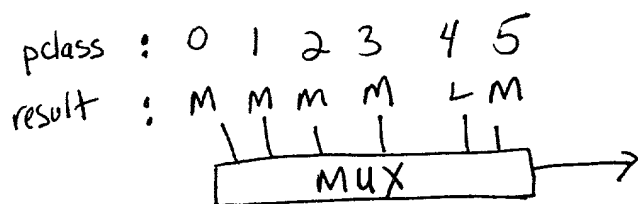


Figure 16B

5MPS
4 MPS
3 MPS
2 MPS
1 MPS
LPS

**Figure 17**

luminance

chrominance

chrominance

A	A	A	D
A	A		
A		A	
A		A	
A			A

B	B	B	D
B	B		
B		B	
B		B	
B			B

C	C	C	D
C	C		
C		C	
C		C	
C			C

(A)

A	A	A	B
A	A		
A		A	
A		A	
B			A

C	C	C	D
C	C		
C		C	
C		C	
D			C

E	E	E	F
E	E		
E		E	
E		E	
F			E

(B)

F	F	B	C
F	F		
A		A	
A		A	
A			B

G	G	C	F
G	G		
B		C	
B		C	
D			H

E	E	E	E
E	E		
D		D	
D		D	
G			H

(C)

Figure 18

luminance				chrominance				chrominance			
A	A	A	B	C	C	C		D	D	D	
A	A			C	C			D	D		
A		A		C		C		D		D	
B			A	C				D			

(A)

F	F	F	C	B	B	C		D	D	F	
A	A			C	C			E	E		
F		F		A		B		D		E	
A			B	D				E			

(B)

A	A	A	C	E	E	E		G	G	G	
A	A			E	E			G	G		
A		A		E		E		G		G	
B			D	F				H			

(C)

Figure 19

luminance				chrominance				chrominance			
A	A	D	C	B	B	D		C	C	D	
A	A			B	B			C	C		
D		A		D		B		D		C	
A			B								

(A)

A	A	A	C
A	A		
A		A	
B			

E	E	E	
E	E		
E		E	

F	F	F	
F	F		
F		F	

(B)

A	A	H	E
A	A		
B		A	
C			D

F	F	H	
F	F		
B		F	

G	G	H	
G	G		
B		G	

(C)

Figure 20

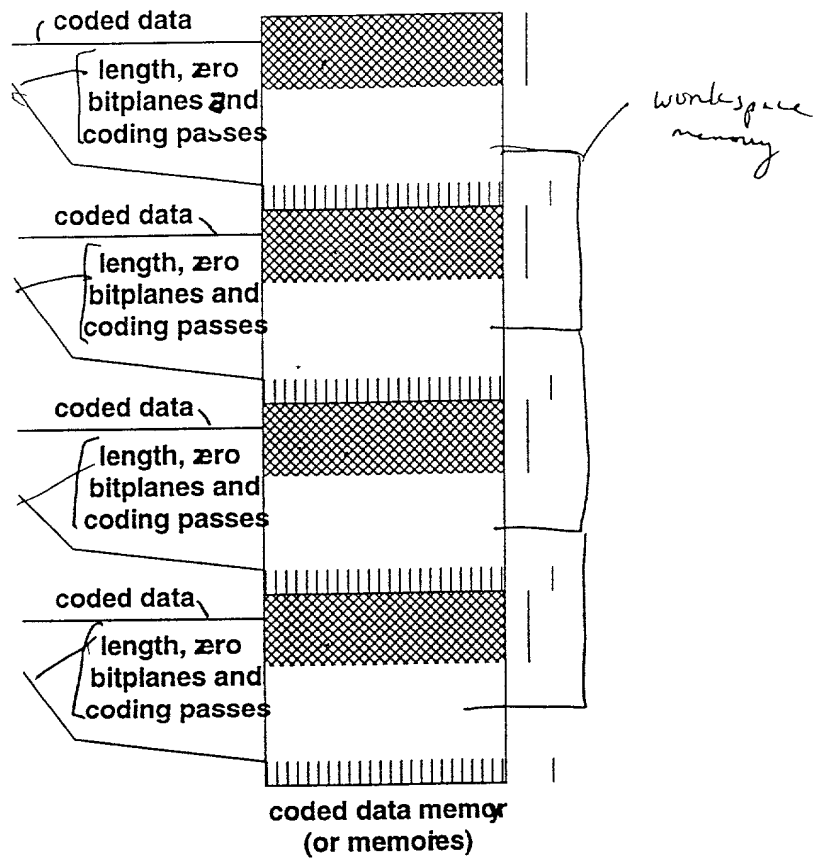


Fig 21



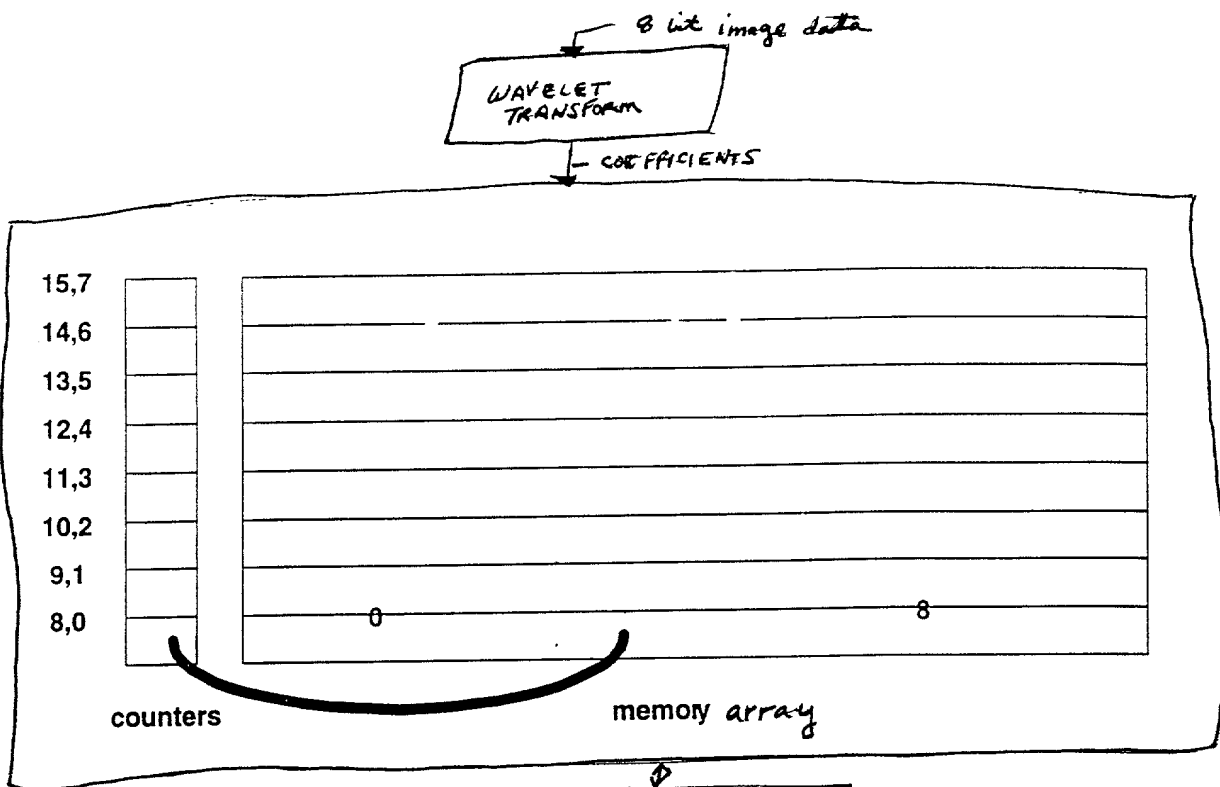


Figure 22-A

CONTEXT MODEL

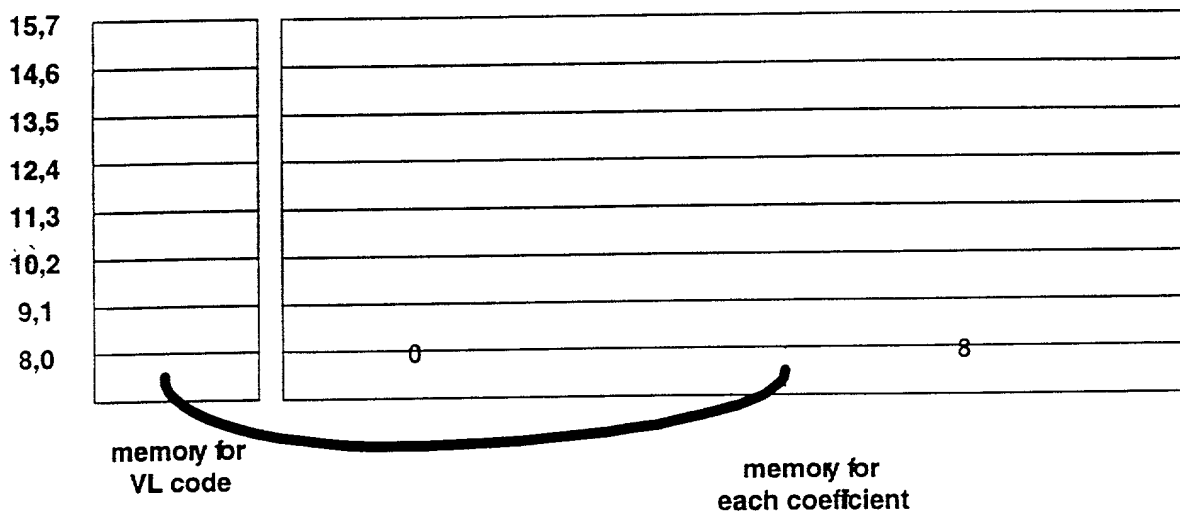


Figure 23

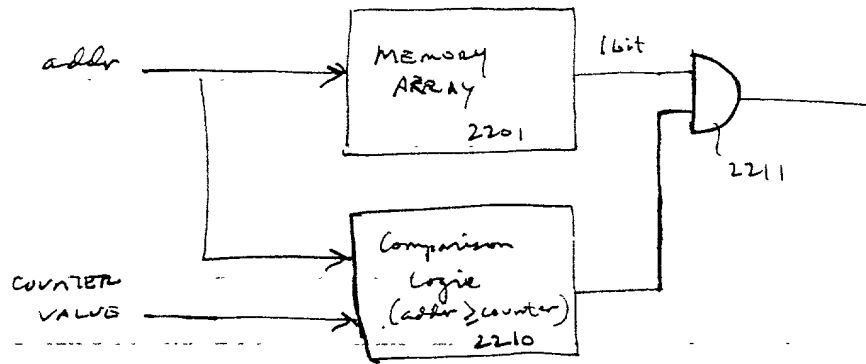
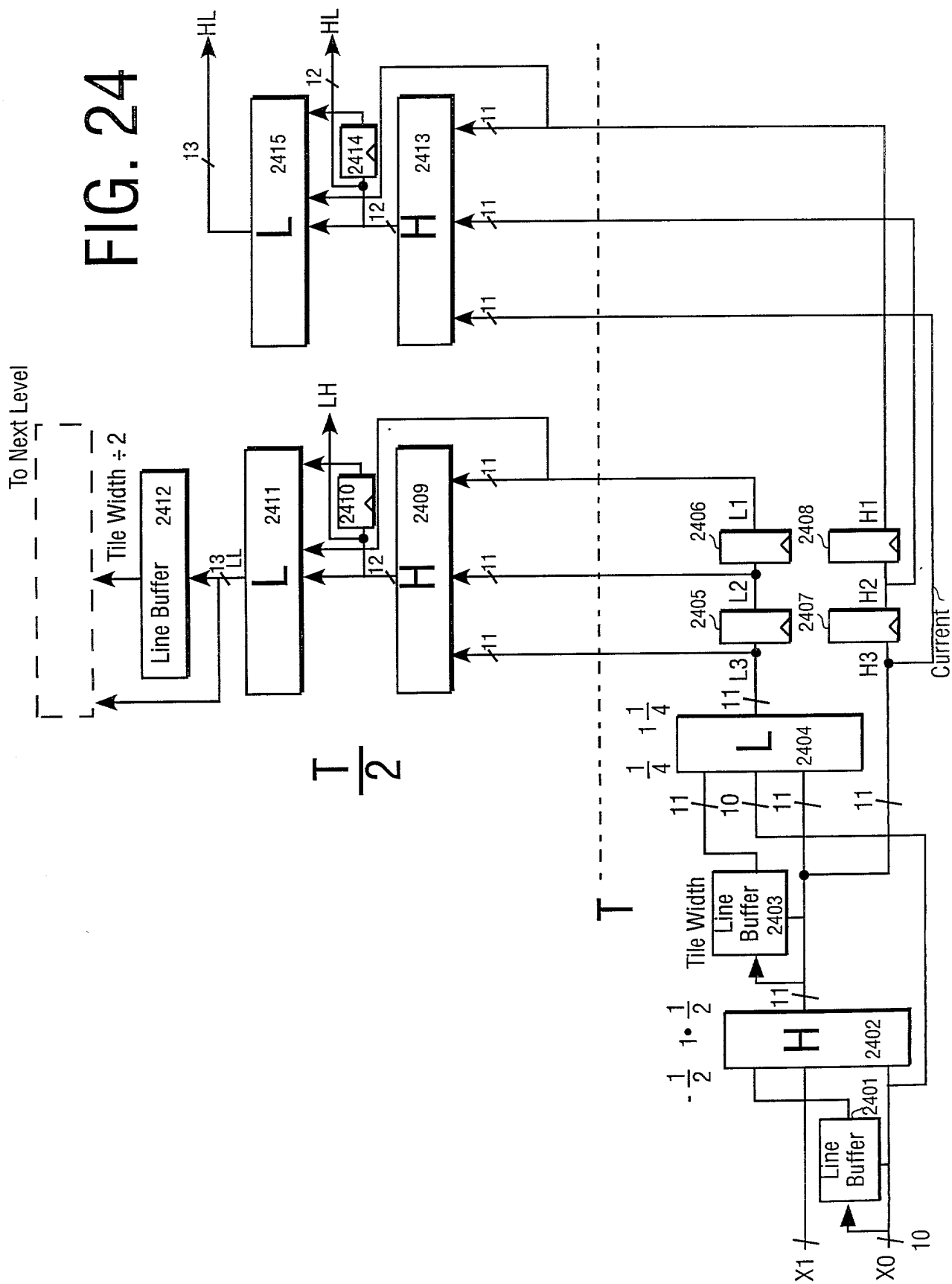


Figure 22B

# FIG. 24



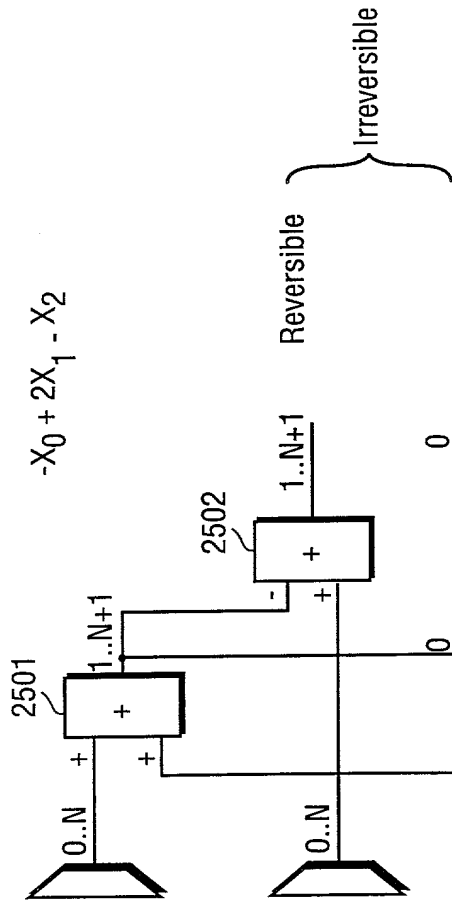


FIG. 25A

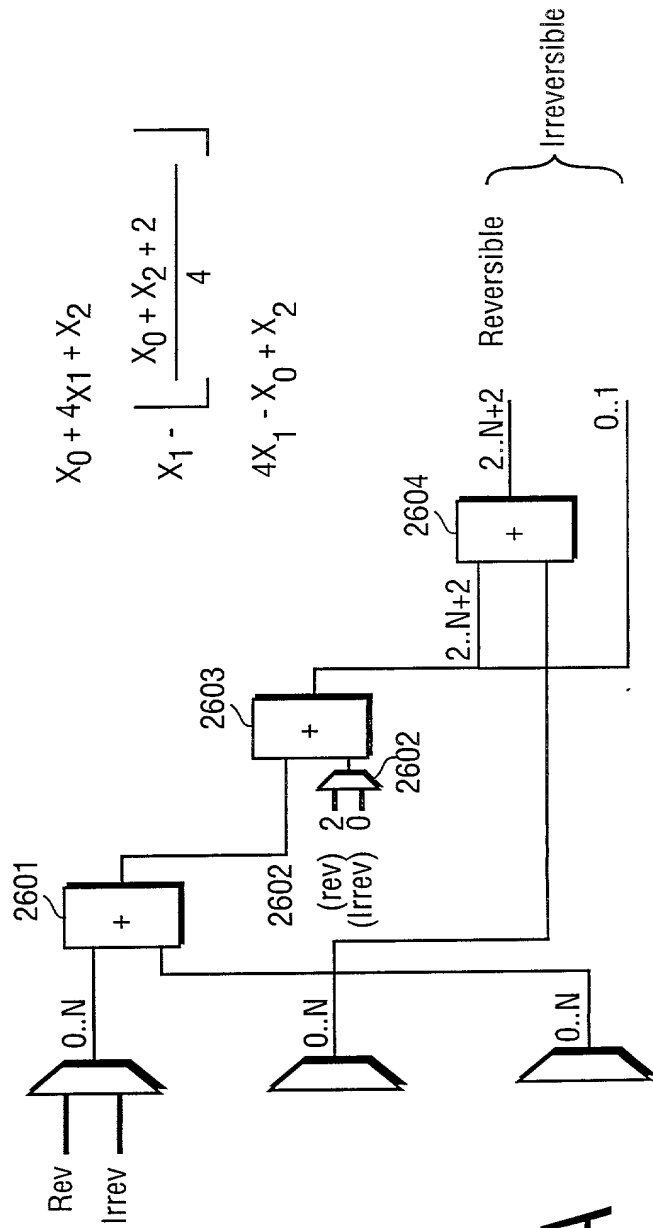
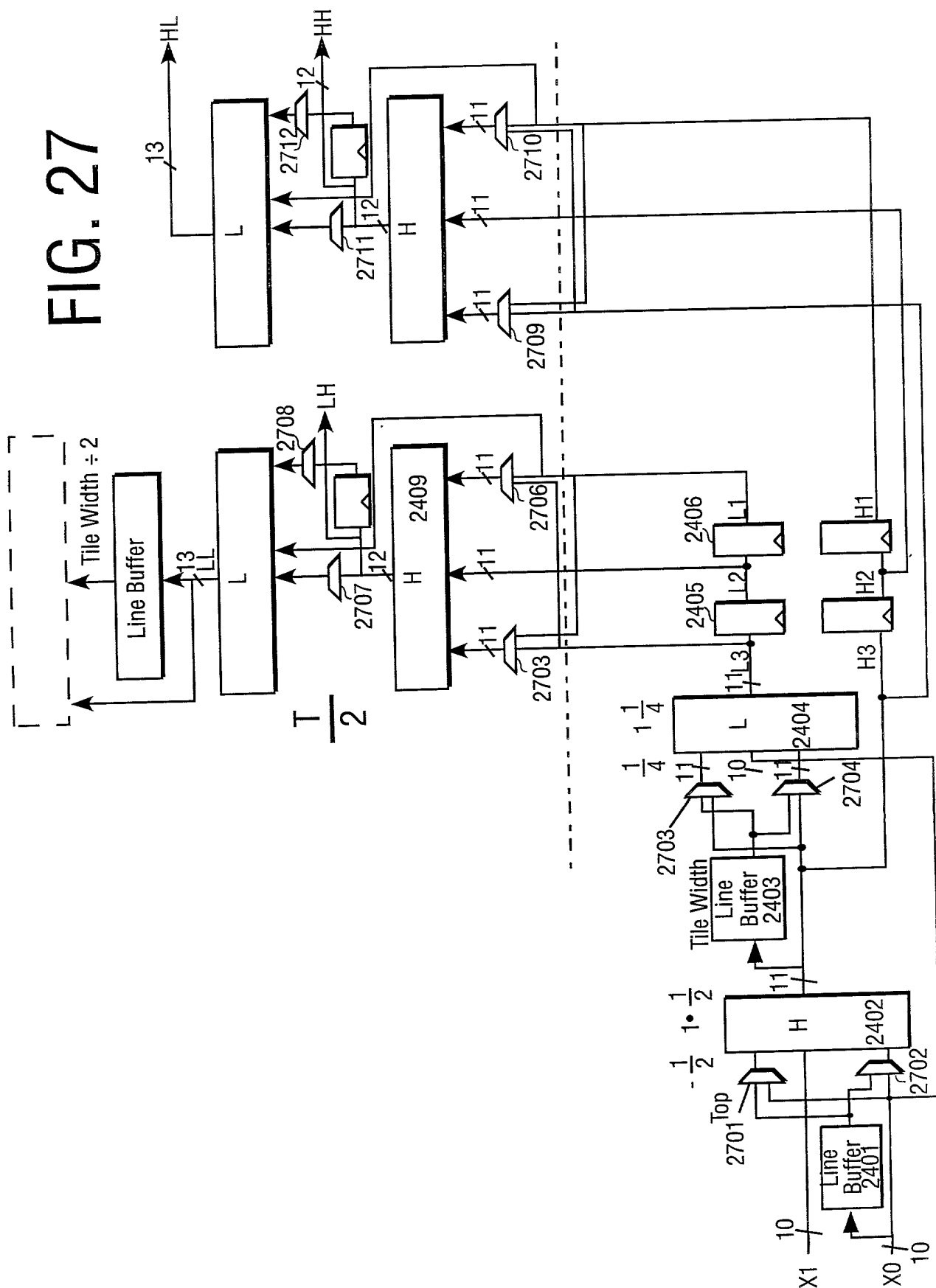


FIG. 26A



[illegible]

spite	doing	strong	among	many	with	others	gotten	more	among	growth	growth	all
it	it	look	look	and	of	of	it	only	and	it	it	it
that	of	head	from	and	it	with	it	and	and	that	that	and

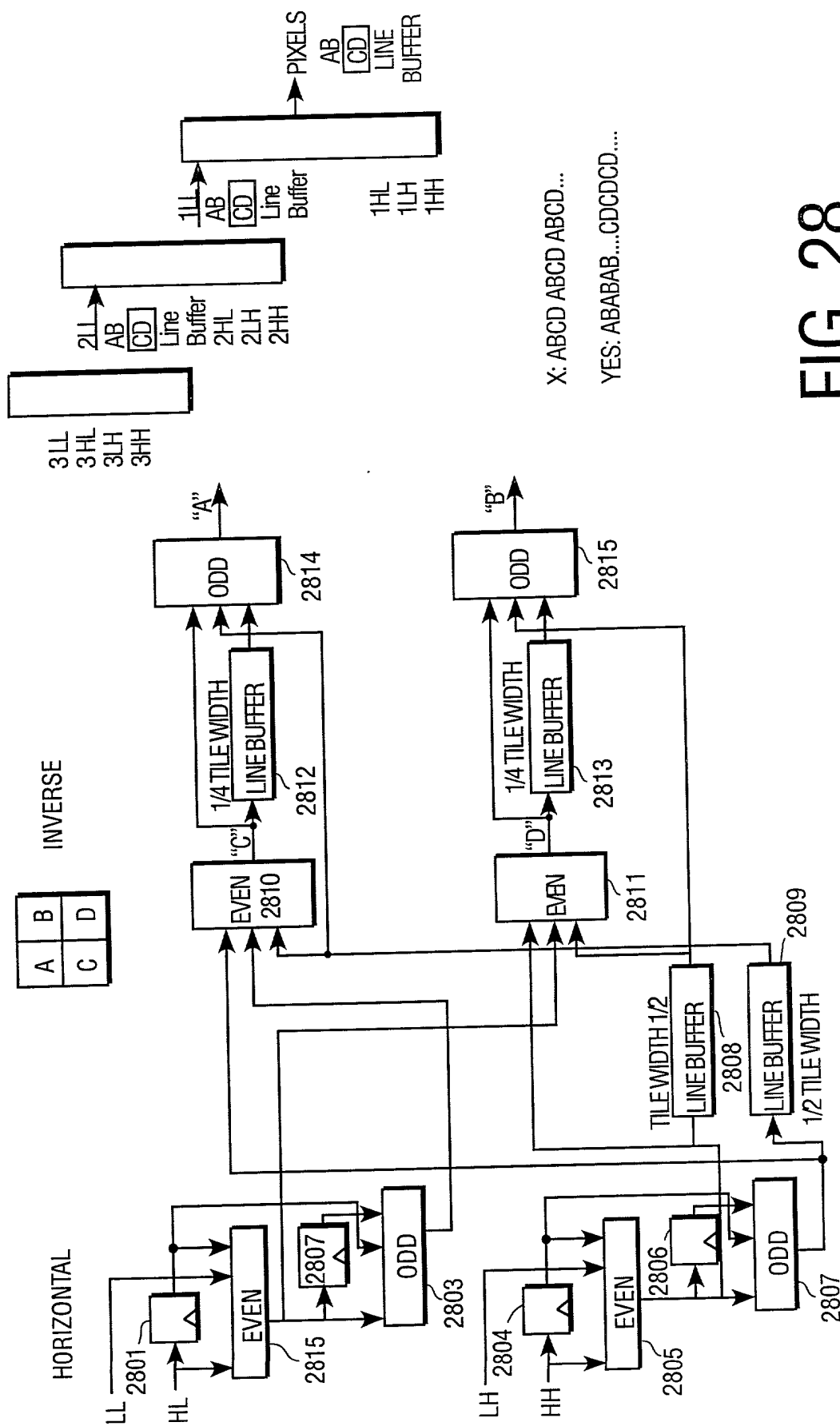


FIG. 28

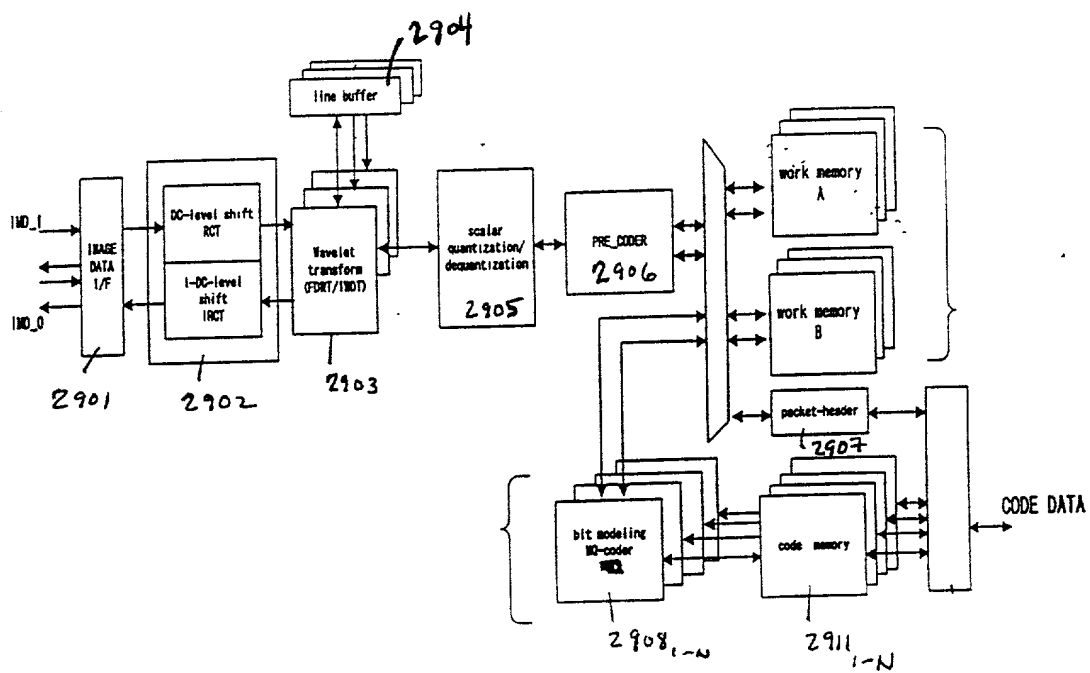


Figure 29



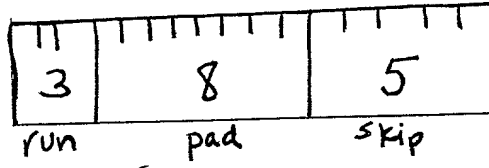


Figure 30

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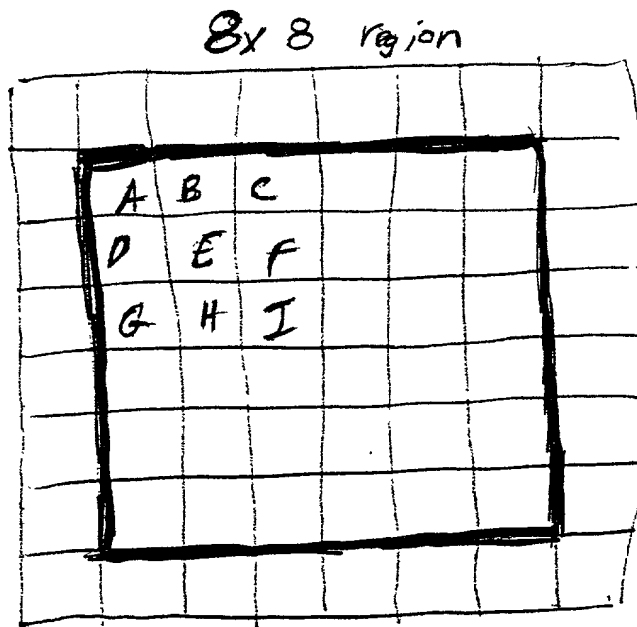


Figure 31

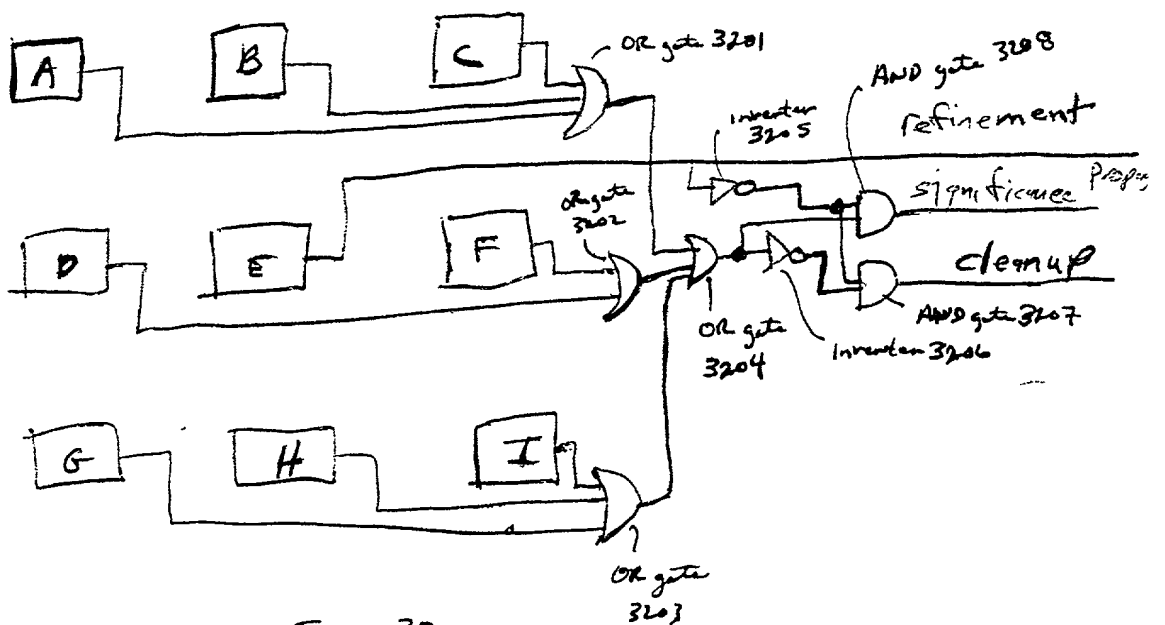


Figure 32